

In the Claims

Claims remaining in the application are as follows:

1. (Currently Amended) An apparatus comprising:
a lock assembly ~~for securing~~ adapted to secure a printed circuit assembly to a storage drive housing comprising:
a plurality of keyways extending from a planar side of the storage drive housing and configured to mount the printed circuit assembly parallel to the storage drive housing planar side;
a pivot point ~~for coupling the lock assembly~~ coupled to the storage drive housing; and
a lock member ~~capable of rotating and snapping coupled to storage drive housing at the pivot and adapted to rotate over and snap into a detent in the printed circuit assembly to hold the printed circuit assembly in place.~~
2. (Original) The lock assembly according to Claim 1 wherein:
the lock member is constructed from sheet metal.
3. (Currently Amended) The lock assembly according to Claim 1 wherein:
the lock member couples to the storage drive housing only at the pivot point and is ~~flexible-resilient~~ so that the lock assembly applies a pre-load to the printed circuit assembly.
4. (Currently Amended) The lock assembly according to Claim 1 wherein:
~~all components of the lock assembly~~ affix affixes to the storage drive housing ~~so that~~
no in absence of additional parts or hardware are used to secure for securing
the printed circuit assembly.
5. (Currently Amended) The lock assembly according to Claim 1 ~~further comprising wherein:~~

a finger access detail formed into the lock member the keyway plurality is configured to fit into apertures in the printed circuit assembly.

6. (Currently Amended) The lock assembly according to Claim 1 wherein:
the storage drive housing is a hard disk drive housing; and
the printed circuit assembly ~~is a hard disk drive printed circuit assembly~~ includes a hard disk drive controller.

7. (Currently Amended) An electronic device comprising:
a storage drive housing; and
a lock assembly ~~capable of securing~~ adapted to secure a printed circuit assembly to
the storage drive housing, the lock assembly comprising:
a plurality of keyways extending from a planar side of the storage drive housing and configured to mount the printed circuit assembly parallel to the storage drive housing planar side;
a pivot ~~point for coupling the lock assembly~~ coupled to the storage drive housing; and
a lock member ~~capable of rotating and snapping~~ coupled to storage drive housing at the pivot and adapted to rotate over and snap into a detent in the printed circuit assembly to hold the printed circuit assembly in place.

8. (Currently Amended) The electronic device according to Claim 7 further comprising:
keyways the keyway plurality extending perpendicular to the planar side of attached to the storage drive housing capable of accepting and seating and configured to support and seat the printed circuit assembly.

9. (Currently Amended) The electronic device according to Claim 8 further comprising:
the printed circuit assembly having a plurality of apertures contoured to fit in the keyways and capable of being secured accept respective ones of the keyway plurality and for securement by the lock assembly.

10. (Original) The electronic device according to Claim 7 wherein:
the lock member is constructed from sheet metal.

11. (Currently Amended) The electronic device according to Claim 7 wherein:
the lock member couples to the storage drive housing only at the pivot point and is
flexible-resilient so that the lock assembly applies a pre-load to the printed
circuit assembly.

12. (Currently Amended) The electronic device according to Claim 7 wherein:
~~all components of the lock assembly attach~~ attaches to the storage drive housing so
that no separate parts or hardware are used to secure the printed circuit
assembly.

13. (Original) The electronic device according to Claim 7 further comprising:
a finger access detail formed into the lock member.

14. (Currently Amended) The electronic device according to Claim 7 wherein:
the storage drive housing is a hard disk drive housing; and
the printed circuit assembly ~~is a hard disk drive printed circuit assembly~~ includes a
hard disk drive controller.

15. (Currently Amended) A method for securing a printed circuit assembly to an
electronic device comprising:
coupling a lock assembly to a storage drive housing ~~so that~~ whereby the lock
assembly can be rotated through an extended position and a retracted
position;
providing a printed circuit assembly configuration ~~that is capable of fitting over~~
adapted to mount on keyways coupled to the storage device housing and
extending perpendicular to a planar side of the storage device housing;
inserting the printed circuit assembly in alignment with and supported by the
keyways parallel to the storage device housing planar side with the lock
assembly in the retracted position; and

rotating the lock assembly over the printed circuit assembly in a plane perpendicular to the storage device housing planar side and securing the printed circuit assembly.

16. (Original) The method according to Claim 15 further comprising: snapping the lock assembly into a detent in the printed circuit assembly to hold the printed circuit assembly in place.

17. (Original) The method according to Claim 15 further comprising: locking the printed circuit assembly into place via a single piece lock assembly that is integral with the housing so that no separate parts or hardware are required to secure the printed circuit assembly.

18. (Currently Amended) The method according to Claim 15 further comprising: ~~applying a preload to~~ preloading the printed circuit assembly via a force applied by lock assembly that secures the printed circuit assembly ~~to the housing against the keyways.~~

19. (Currently Amended) The method according to Claim 15 wherein: the storage drive housing is a hard disk drive housing; and the printed circuit assembly ~~is a hard disk drive printed circuit assembly~~ includes a hard disk drive controller.

20. (Canceled)

21. (New) A storage drive comprising:
a storage drive housing having a planar side and planar top perpendicular to the planar side;
a printed circuit adapter configured to mount to the storage drive housing planar side;
a storage drive controller mounted to the printed circuit board adapter; and
a lock assembly adapted to secure the printed circuit assembly to the storage drive housing, the lock assembly comprising:

a plurality of keyways extending perpendicularly from the storage drive housing planar side and configured to mount the printed circuit assembly parallel to the storage drive housing planar side;
a pivot coupled to the storage drive housing planar top; and
a lock member coupled to storage drive housing planar top at the pivot and adapted to rotate over and snap into a detent in the printed circuit assembly to hold the printed circuit assembly in place.